

GILA RIVER BASIN

09512165 SALT RIVER AT PRIEST DRIVE NEAR PHOENIX, AZ

LOCATION--Lat 33°26'22", long 111°57'37", in NE_{1/4}NE_{1/4} sec. 17, T.1 N., R.4 E., Maricopa County, Hydrologic Unit 15060106, on left bank at downstream side of Priest Road bridge, 1.3 mi southeast of Phoenix main post office.

DRAINAGE AREA--13,223 mi².

PERIOD OF RECORD--Dec. 1993 to current year.

GAGE--Water-stage recorder. Elevation of gage is 1,135 ft above sea level, from topographic map.

REMARKS--No estimated daily discharges, records fair.

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 81,400 ft³/s Feb. 16, 1995, gage height 12.73 ft, from rating curve adjusted for drawdown based on highwater mark profile at gage; no flow for many days each year.

EXTREMES OUTSIDE PERIOD OF RECORD--Maximum discharge since 1871, 300,000 ft³/s in Feb. 1891.

EXTREMES FOR CURRENT YEAR--Maximum discharge, 1,520 ft³/s on Apr. 2, gage height 3.52 ft. Minimum daily discharge, 0.18 ft³/s on Apr. 29 and May 5.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.73	0.82	1.2	0.67	0.64	1.1	0.45	0.33	0.60	0.35	1.6	0.45
2	0.64	0.90	1.4	0.75	0.63	1.2	160	0.42	0.45	0.34	1.6	0.69
3	0.64	0.89	1.3	0.77	1.2	1.5	123	0.30	0.36	0.27	1.6	0.88
4	0.64	1.0	1.2	0.80	0.98	8.0	9.2	0.24	0.34	0.24	1.4	0.45
5	0.64	0.95	1.1	0.70	0.70	119	2.7	0.18	0.40	0.56	1.5	0.38
6	0.71	0.83	1.1	0.75	0.70	33	1.7	0.20	0.51	0.99	1.5	0.44
7	0.78	0.87	1.2	0.70	0.64	9.9	1.1	0.22	0.89	0.62	1.1	0.54
8	0.94	0.90	1.4	0.70	0.58	1.8	0.93	0.24	0.53	0.67	1.1	0.38
9	0.79	0.95	1.2	0.65	0.66	1.5	0.79	0.30	0.42	1.1	1.5	0.35
10	1.1	1.0	1.2	0.59	0.68	1.3	0.75	0.36	0.41	0.91	1.4	0.37
11	0.88	1.0	1.2	0.60	0.77	1.2	0.69	0.66	0.85	0.68	1.7	0.37
12	0.81	4.7	1.3	0.67	0.52	1.1	0.66	0.72	0.54	0.81	0.85	0.37
13	0.92	15	0.96	0.70	0.46	1.2	0.98	0.82	0.80	1.1	0.93	0.70
14	1.1	9.6	0.89	0.68	0.45	0.99	0.64	0.74	0.42	12	1.0	0.60
15	0.81	2.1	0.82	0.64	0.45	1.2	0.54	0.44	0.41	1.6	0.71	0.49
16	0.77	1.1	0.79	0.70	0.72	1.0	0.46	0.57	0.59	1.4	3.9	0.90
17	0.76	1.0	0.81	0.88	1.3	0.77	0.43	0.77	0.52	1.6	1.3	0.45
18	0.76	1.3	0.80	1.0	0.79	0.69	0.40	0.95	0.37	1.6	0.78	1.8
19	0.77	1.3	0.77	0.91	0.51	0.61	0.36	0.87	0.36	2.0	1.2	2.5
20	0.79	1.7	0.72	0.86	0.45	0.53	0.31	0.93	0.37	1.9	0.60	0.89
21	0.79	1.9	0.68	0.76	0.34	0.45	0.36	0.95	0.32	4.0	0.51	0.74
22	1.4	1.9	7.5	3.5	0.30	0.38	0.38	0.92	0.38	4.7	0.49	0.55
23	0.86	1.4	0.77	1.0	9.3	0.36	0.31	0.84	0.42	4.1	0.54	0.60
24	0.76	2.0	0.93	1.2	41	0.35	0.30	1.3	0.44	2.5	0.71	0.52
25	0.71	1.7	0.76	1.3	7.7	0.35	0.27	0.61	0.86	1.9	0.50	0.51
26	0.68	1.5	0.96	0.94	1.6	0.34	0.23	0.46	0.47	3.0	0.74	0.49
27	0.70	1.4	0.82	0.83	1.3	0.35	0.22	0.58	1.2	2.1	0.49	0.51
28	0.70	1.2	0.72	0.77	1.2	0.34	0.21	0.57	0.57	2.0	0.43	0.63
29	0.70	1.2	0.65	0.72	1.2	0.40	0.18	0.48	1.00	1.9	0.42	0.68
30	0.70	1.2	0.68	0.79	---	0.57	0.87	0.72	0.58	1.7	0.74	0.46
31	0.73	---	0.64	0.70	---	0.91	---	0.50	---	1.7	0.66	---
TOTAL	24.71	63.31	36.47	27.23	77.77	192.39	309.42	18.19	16.38	60.34	33.50	19.69
MEAN	0.80	2.11	1.18	0.88	2.68	6.21	10.3	0.59	0.55	1.95	1.08	0.66
MAX	1.4	15	7.5	3.5	41	119	160	1.3	1.2	12	3.9	2.5
MIN	0.64	0.82	0.64	0.59	0.30	0.34	0.18	0.18	0.32	0.24	0.42	0.35
AC-FT	49	126	72	54	154	382	614	36	32	120	66	39
CFSM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2004, BY WATER YEAR (WY)

MEAN	1.44	1.09	1.27	17.4	481	690	124	0.55	0.39	1.60	0.79	3.21
MAX	9.39	3.17	5.48	183	5309	7555	968	1.82	1.46	7.38	2.28	21.8
(WY)	2001	2001	1995	1995	1995	1995	1998	2001	2000	1999	2001	1995
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	1995	1995	1996	1994	1994	1994	1994	1994	1994	1994	1994	1994

SUMMARY STATISTICS FOR 2003 CALENDAR YEAR FOR 2004 WATER YEAR WATER YEARS 1994 - 2004

ANNUAL TOTAL	1233.10		879.40									
ANNUAL MEAN		3.38		2.40				119				
HIGHEST ANNUAL MEAN								1098				
LOWEST ANNUAL MEAN								0.00				
HIGHEST DAILY MEAN	590	Feb 14		160	Apr 2			40600	Mar 7	1995		
LOWEST DAILY MEAN	0.28	Jun 20		0.18	Apr 29			0.00	Dec 7	1993		
ANNUAL SEVEN-DAY MINIMUM	0.41	Jun 20		0.24	May 3			0.00	Dec 7	1993		
ANNUAL RUNOFF (AC-FT)	2450		1740					86280				
ANNUAL RUNOFF (CFSM)	0.000		0.000					0.009				
10 PERCENT EXCEEDS	1.9		1.7					2.1				
50 PERCENT EXCEEDS	0.96		0.77					0.45				
90 PERCENT EXCEEDS	0.61		0.37					0.00				